



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL NO. SHEETS

Jeffrey G. McRae
REGISTERED ELECTRICAL ENGINEER

May 1, 2006
PLANS APPROVAL DATE

Jeffrey G. McRae
No. E14512
Exp. 6-30-06
ELECTRICAL
STATE OF CALIFORNIA

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NOTES-TYPE II SERVICE EQUIPMENT ENCLOSURES:

- Service equipment enclosures and metering equipment shall meet the requirements of the service utility. When the service utility provides both metered and unmetered circuits, a separate bus shall be provided for each circuit.
- Service equipment enclosures shall be factory wired NEMA 3R construction and shall be provided with dead front panel and provisions for padlocking.
- Control wiring shall be 600 V, No. 14 AWG stranded (THHN) machine tool wire. Where subject to flexing, 19 strand wire shall be used.
- Main bus shall be rated for 125 A and shall be tin-plated copper.
- An engraved phenolic nameplate on the dead front panel indicating the function of each circuit or device shall be installed with stainless steel rivets or stainless steel screws:
 - Adjacent to the breaker or device with character size a minimum of $\frac{1}{8}$ ".
 - At the top of the exterior door panel indicating system number, voltage level and number of phases with character size a minimum of $\frac{3}{16}$ ".
- A plastic laminated wiring diagram shall be provided and attached to the inside of the front door.
- In unpaved areas, a raised portland cement concrete pad of 2'-0" x 4" x 4" width of service equipment enclosure foundation or controller cabinet foundation shall be constructed in front of Type II service equipment enclosure.
- Internal bus, where shown, is typical only. Alternative designs of proposed service equipment enclosure shall be submitted to the Engineer for approval.
- Circuit breakers may be mounted in the vertical or horizontal position.
- Dimensions of service equipment enclosures shall meet the requirements of the service utility.
- Minimum clearance shall be required for front and back of service equipment enclosures per National Electrical Code, Article 110.26, "Spaces About Electrical Equipment (600 Volts, Nominal, or Less)".

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SERVICE EQUIPMENT TYPE II SERIES)

NO SCALE

ES-2B